Linear G54 Multi Color RGBW

The Linear G54 RGBW offers dynamic color control for outdoor architectural applications such as façade grazing and washing, accent lighting, and landscape features. This weatherproof fixture combines full–spectrum RGB with white channels (2700K–5000K), ideal for commercial exteriors, hospitality, and public spaces.

With beam angle options from precise 25° accent lighting to broad 60° facade washes plus specialized asymmetric 20°×40° distribution, it delivers precise optical control for sophisticated lighting schemes requiring seamless color transitions.

↘ Long-Run Performance – Engineered for extended lighting runs with reliable DMX (RDM) or PxLNet control.

↘ Pixel-Precision Control – 4 pixels per meter enabling smooth color transitions, dynamic effects, and precise architectural lighting design.

CE   RoHS   IP67   IK08

Specifications

General

Power Consumption (W/m)	54
Input Voltage (V DC)	48
LEDs (/m)	24
LED Pitch (mm)	41,6
Delivered Lumens (/m)	2464 (G 45°)
Pixels (/m)	4
Flicker Frequency (kHz)	16
LED Type	4in1
Channels (/m)	16
Color Range	RGBW
CRI	≥80 (Custom on request)
Control	DMX(RDM)/PxLNet
Dimming	16 Bit

Installation conditions & Lighting Data

Maximum Run Length (m)	Single Feed	6
Maximum Run Length DMX(RDM) (m)	@45fps	32
Maximum Run Length PxLNet (m)	@40fps	128
	@60fps	64
Lumen Maintenance Calculated Hours (h)	L80B10 50,000	

Operating

Environment	Outdoor
Storage Temperature (°C)	–30 to +70
Working Temperature (°C)	–25 to +65
Saltwater Resistant	Yes
Coastal Environmental Proof	Yes
UV Resistant	Yes
Flame Resistant	Yes
IK Rating	IK08
IP Rating	IP67
Certification	CE, RoHS
Limited Warranty	5 Years

Physical

Housing Material	Aluminium (AA6063)
Cover Material	Tempered Glass
Connector Material	Nylon (PA66)
Housing Color	Grey RAL7047 (Custom on Request)
Cable Color	Black
Connector Type	M16 5Pin
Weight (kg/m)	2,8
Dimensions WxH (mm)	55 x 81,5
Standard Length (mm)	500, 750, 1000

Options

Color/CCT

☐ RGBW2700K
☐ RGBW3000K
☐ RGBW4000K
☐ RGBW5000K

Accessories

☐ Glare Shield   ☐ Quarter Glare Shield
☐ Half Glare Shield   ☐ Honeycomb

### Optics

☐ 25°
☐ 45°
☐ 60°
☐ 20°x40°

Control

☐ DMX (RDM)
☐ PxLNet

Lighting Specifications

Linear G54

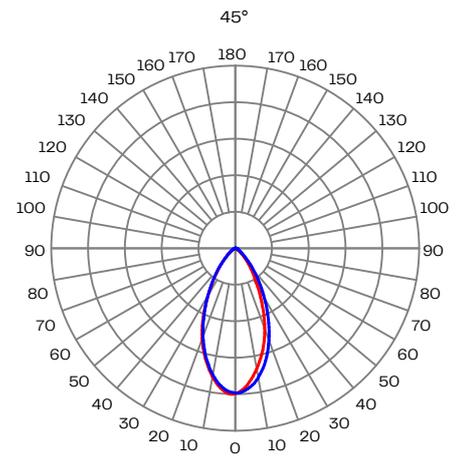|	Full White (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
RGBW2700K 25°	2732	1116	2298	305	1998
RGBW2700K 45°	2760	1127	2321	308	2018
RGBW2700K 60°	2623	1072	2206	293	1918
RGBW2700K 20°x40°	2459	1005	2068	274	1798
RGBW3000K 25°	2788	1139	2345	311	2039
RGBW3000K 45°	2816	1150	2368	314	2059
RGBW3000K 60°	2676	1093	2251	299	1957
RGBW3000K 20°x40°	2509	1025	2111	280	1835
RGBW4000K 25°	2844	1162	2392	317	2080
RGBW4000K 45°	2872	1173	2416	320	2101
RGBW4000K 60°	2730	1115	2296	305	1997
RGBW4000K 20°x40°	2559	1046	2153	285	1872
RGBW5000K 25°	2901	1185	2440	324	2121
RGBW5000K 45°	2930	1197	2464	327	2143
RGBW5000K 60°	2785	1138	2342	311	2037
RGBW5000K 20°x40°	2611	1067	2196	291	1909

Photometric Distribution

20°x40°
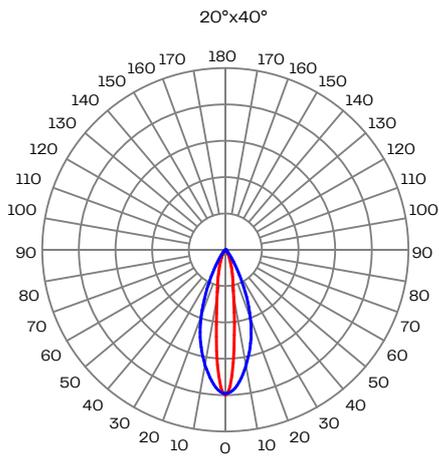
Average Diffuse Angle(50%): 27.1°

C0–C180   C90–C270

25°
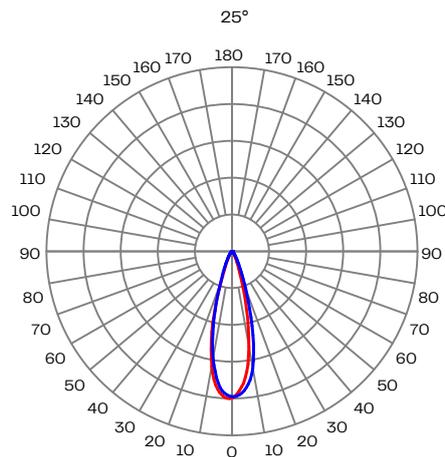
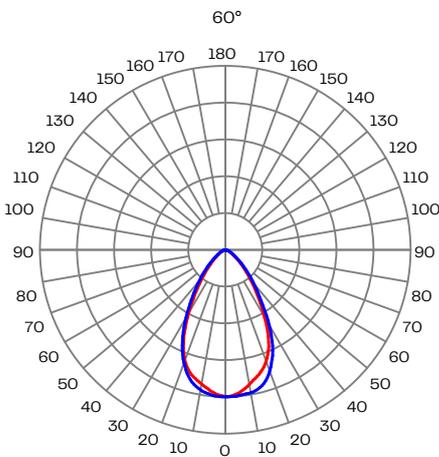Average Diffuse Angle(50%): 28.9°

C0–C180   C90–C270

45°

Average Diffuse Angle(50%): 50.0°
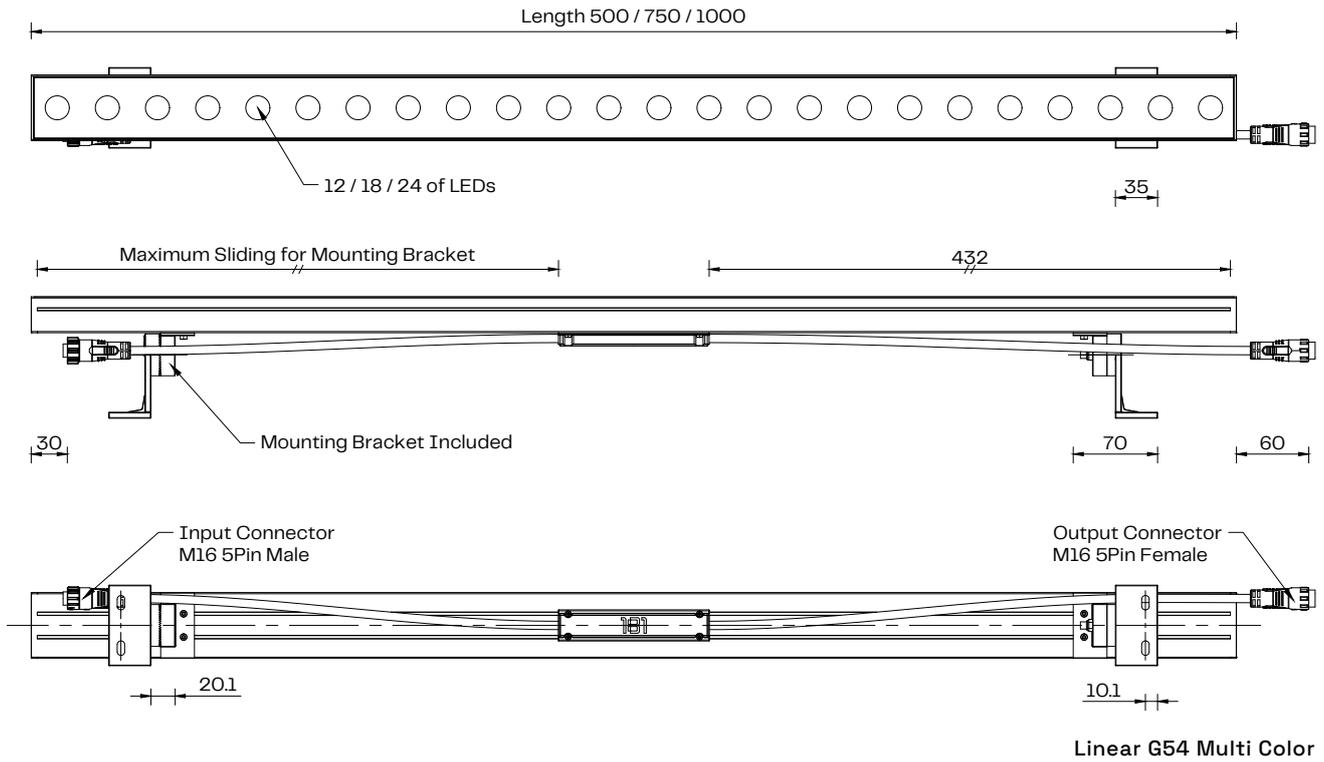
C0–C180   C90–C270

60°

Average Diffuse Angle(50%): 62.3°

C0–C180   C90–C270

Dimensions

Length 500 / 750 / 1000

12 / 18 / 24 of LEDs

35

Maximum Sliding for Mounting Bracket

432

Mounting Bracket Included

30

70

60

Input Connector
M16 5Pin Male

Output Connector
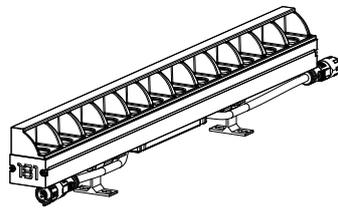M16 5Pin Female

20.1

10.1

Linear G54 Multi Color

*The dimensions shown are not to scale. Please refer to the Dimension Sheet V2 document for additional dimensions.
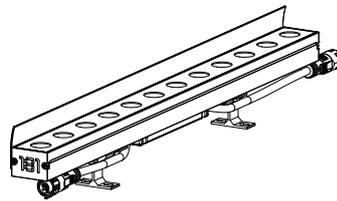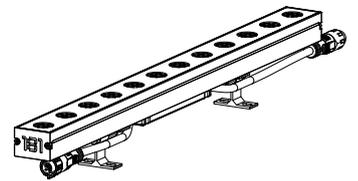
Accessories Options
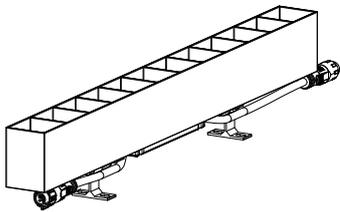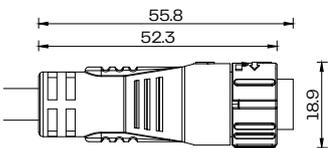
Glare Shield

Half Glare Shield

Quarter Glare Shield

Honeycomb

Connection

55.8

52.3

18.9

M16 Male Connector

53.8

19
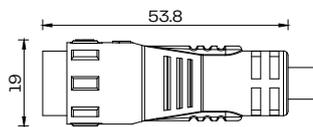
M16 Female Connector

Connector Pin		
Pin 1	Red	48 V+
Pin 2	Green	Data +
Pin 3	White	Program
Pin 4	Yellow	Data –
Pin 5	Black	GND

Product References

Linear G

Reference	Description
3452051	Linear G54 RGBW2700K 25° 1000
3452055	Linear G54 RGBW2700K 45° 1000
3452059	Linear G54 RGBW2700K 60° 1000
3452063	Linear G54 RGBW2700K 20°x40° 1000
3452052	Linear G54 RGBW3000K 25° 1000
3452056	Linear G54 RGBW3000K 45° 1000
3452060	Linear G54 RGBW3000K 60° 1000
3452064	Linear G54 RGBW3000K 20°x40° 1000
3452053	Linear G54 RGBW4000K 25° 1000
3452057	Linear G54 RGBW4000K 45° 1000
3452061	Linear G54 RGBW4000K 60° 1000
3452065	Linear G54 RGBW4000K 20°x40° 1000
3452054	Linear G54 RGBW5000K 25° 1000
3452058	Linear G54 RGBW5000K 45° 1000
3452062	Linear G54 RGBW5000K 60° 1000
3452066	Linear G54 RGBW5000K 20°x40° 1000

Accessories

Reference	Description
3990964	Glare Shield
3990959	Half Glare Shield
3990954	Quarter Glare Shield
3990969	Honeycomb